FIG. 1

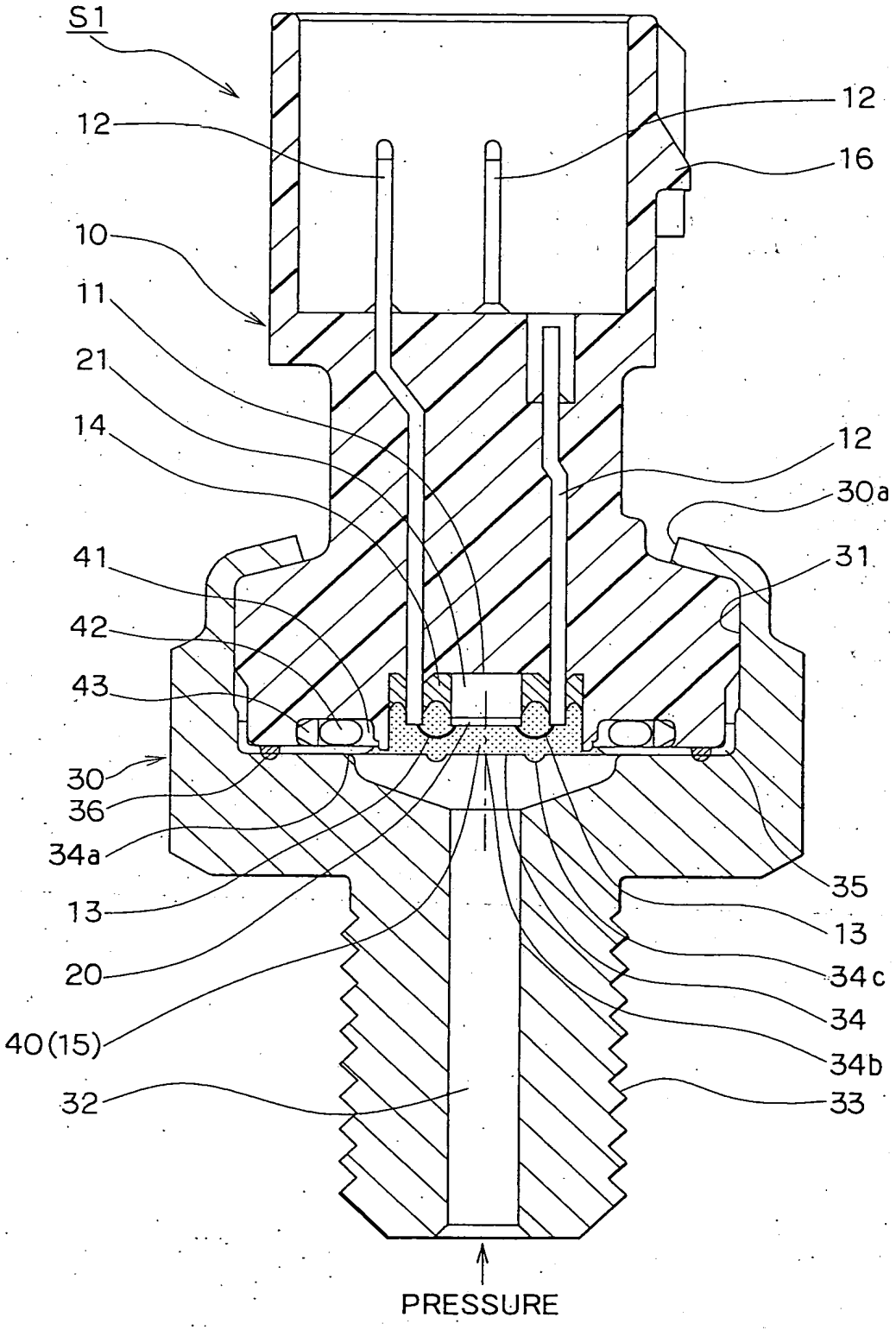

S1
12
12
16
10
11
21
14
12
30a
41
31
42
43
30
36
34a
13
20
40(15)
32
35
13
34c
34
34b
33
PRESSURE

FIG. 2A

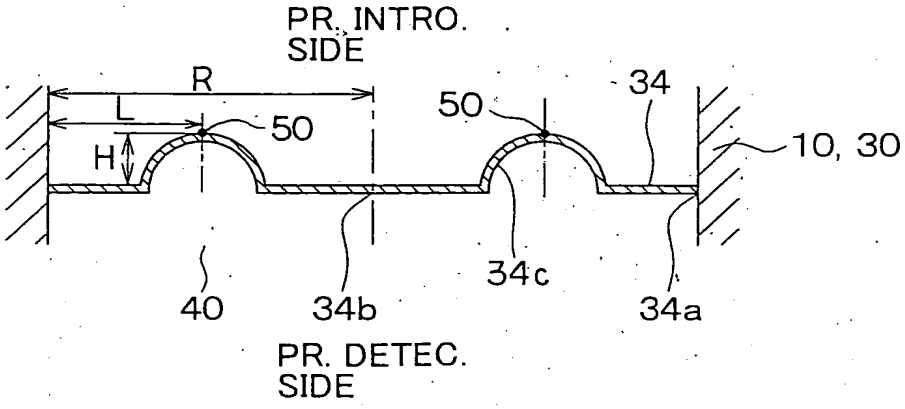

PR. INTRO. SIDE
R
L
H
50
50
34
10, 30
40
34b
34c
34a
PR. DETEC. SIDE

FIG. 2B

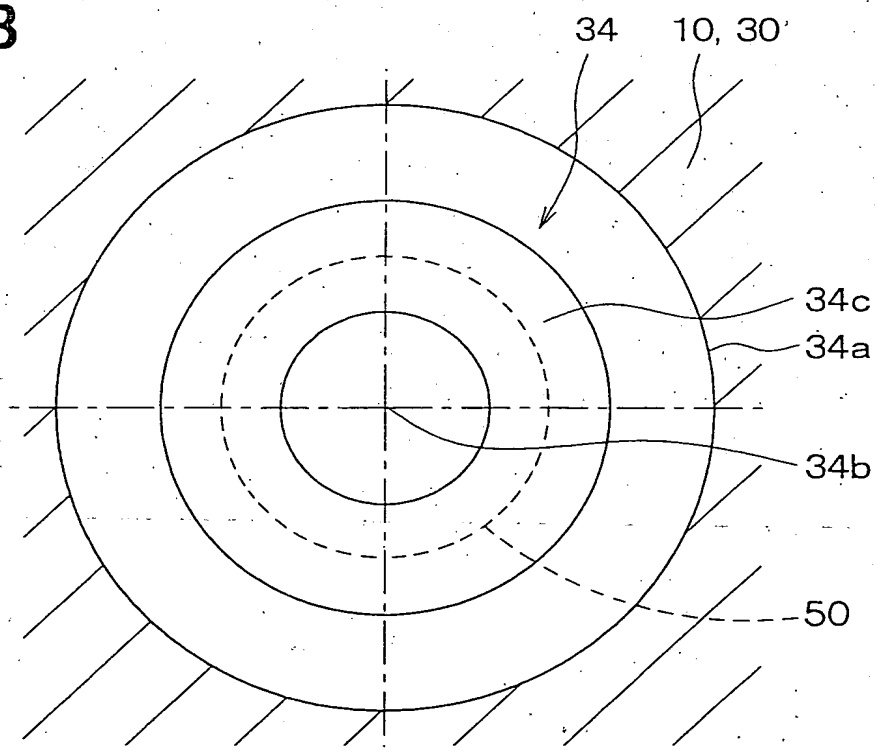

34
10, 30
34c
34a
34b
50

FIG. 3A

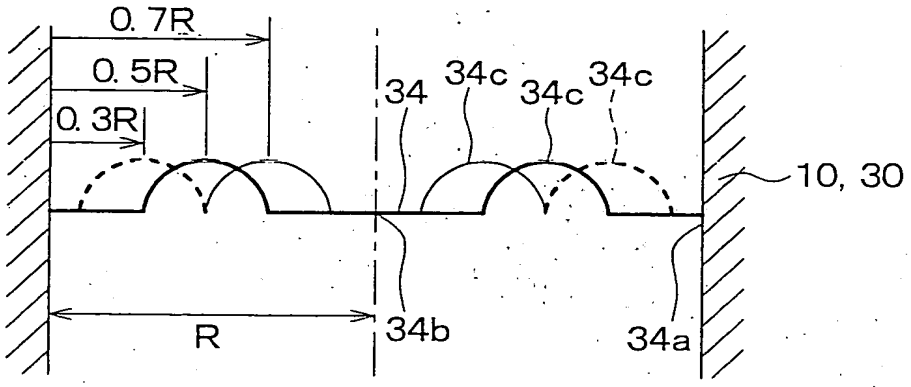

0. 7R
0. 5R
0. 3R
34
34c
34c
34c
10, 30
R
34b
34a

FIG. 3B

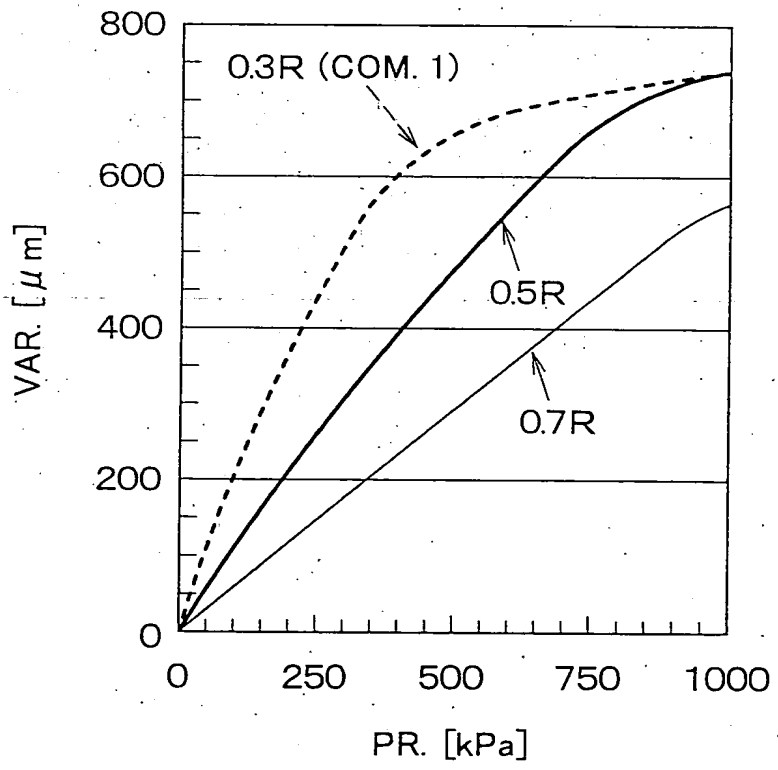

800
600
400
200
0
0.3R (COM. 1)
0.5R
0.7R
VAR. [μm]
0
250
500
750
1000
PR. [kPa]

FIG. 4

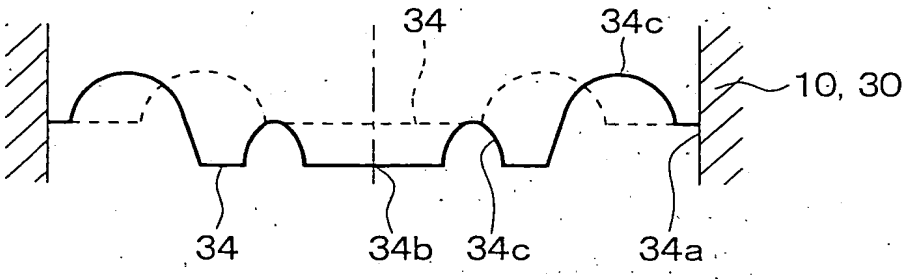
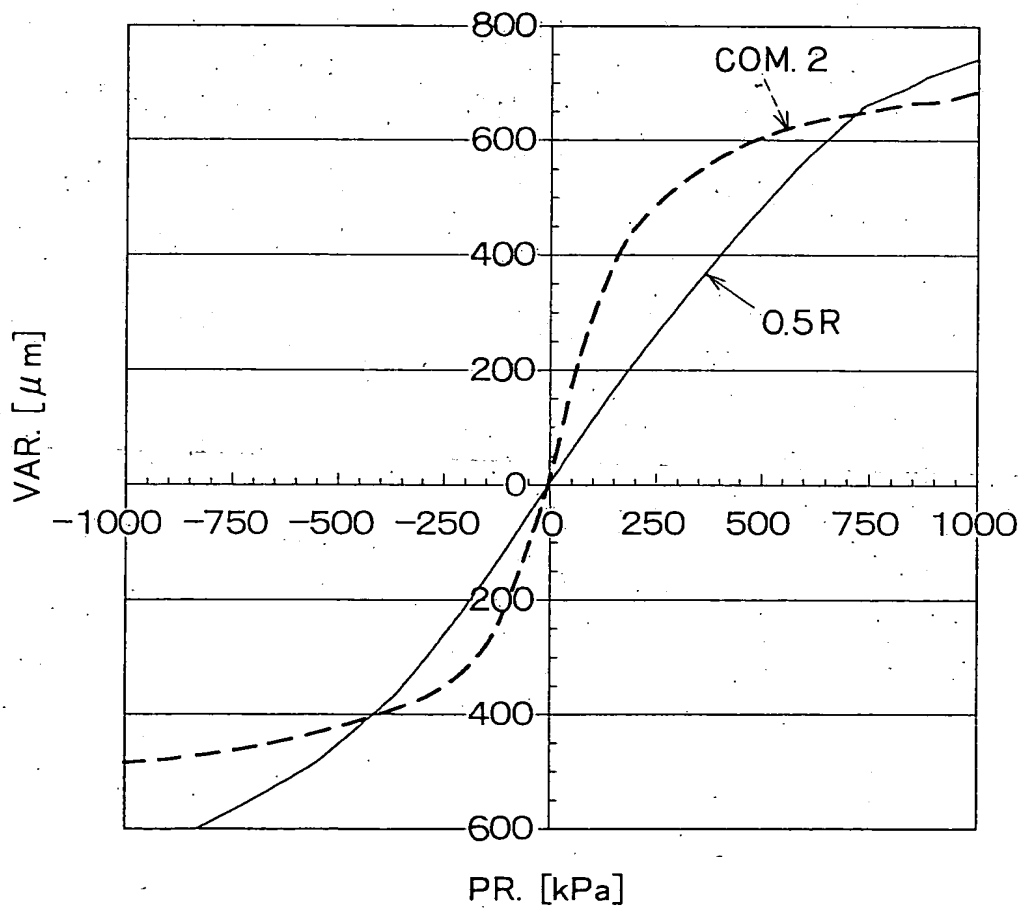

34
34c
10, 30
34
34b
34c
34a

FIG. 5


800
600
400
200
0
200
400
600
COM. 2
0.5R
VAR. [μm]
−1000
−750
−500
−250
0
250
500
750
1000
PR. [kPa]

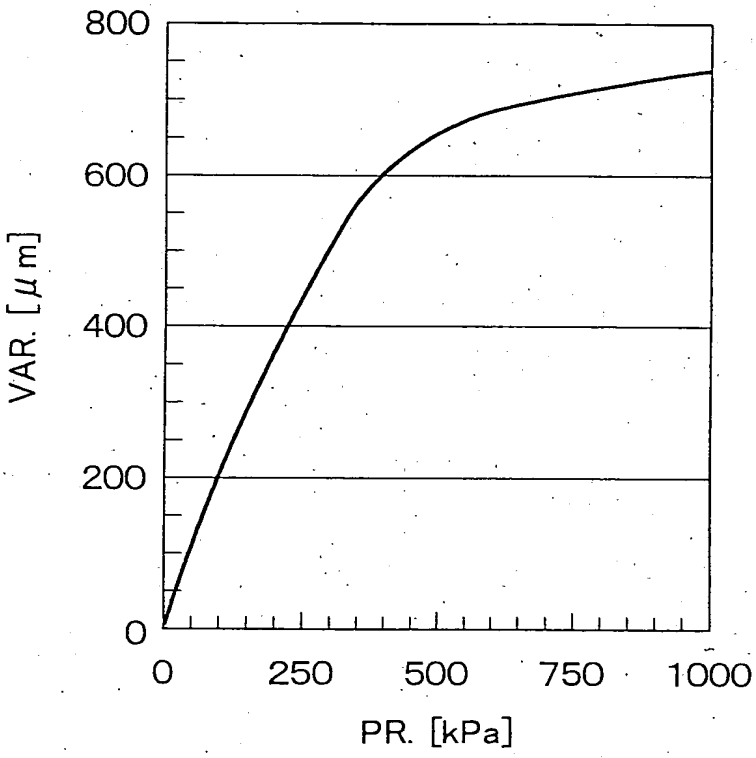



FIG. 6